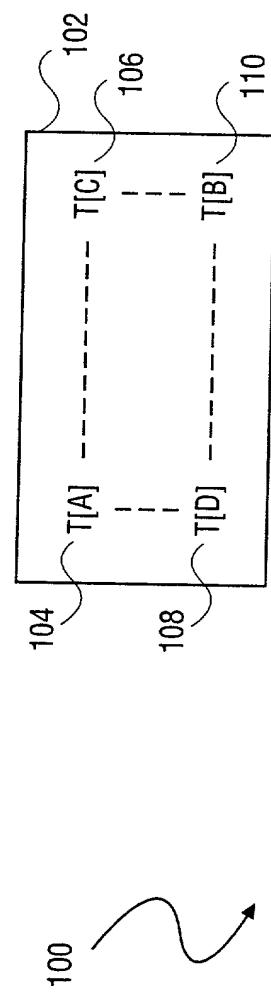
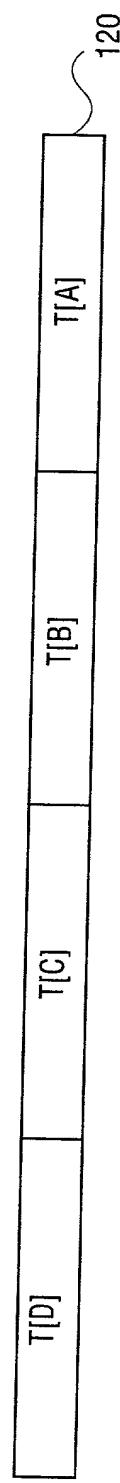


FIG. 1



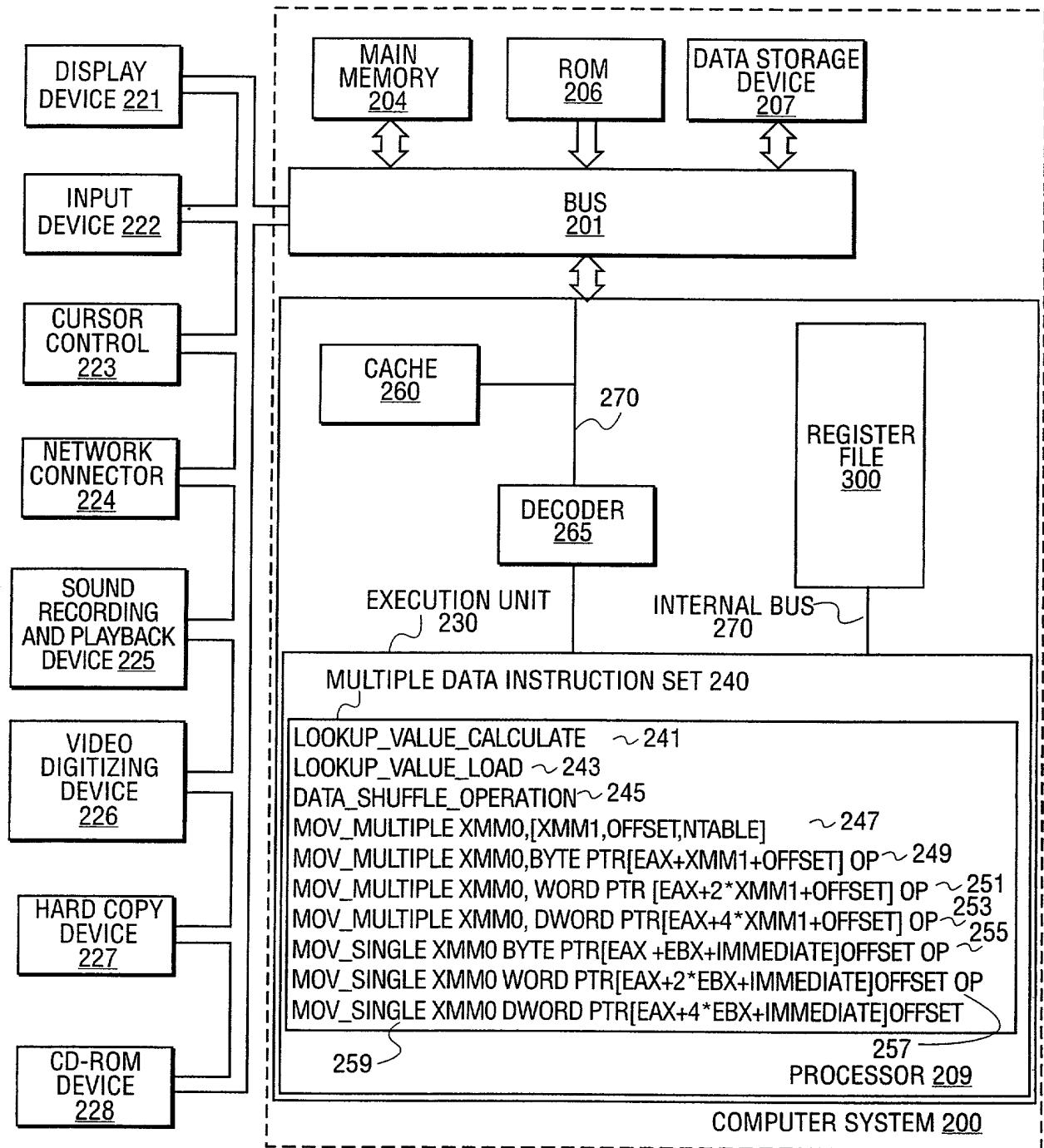
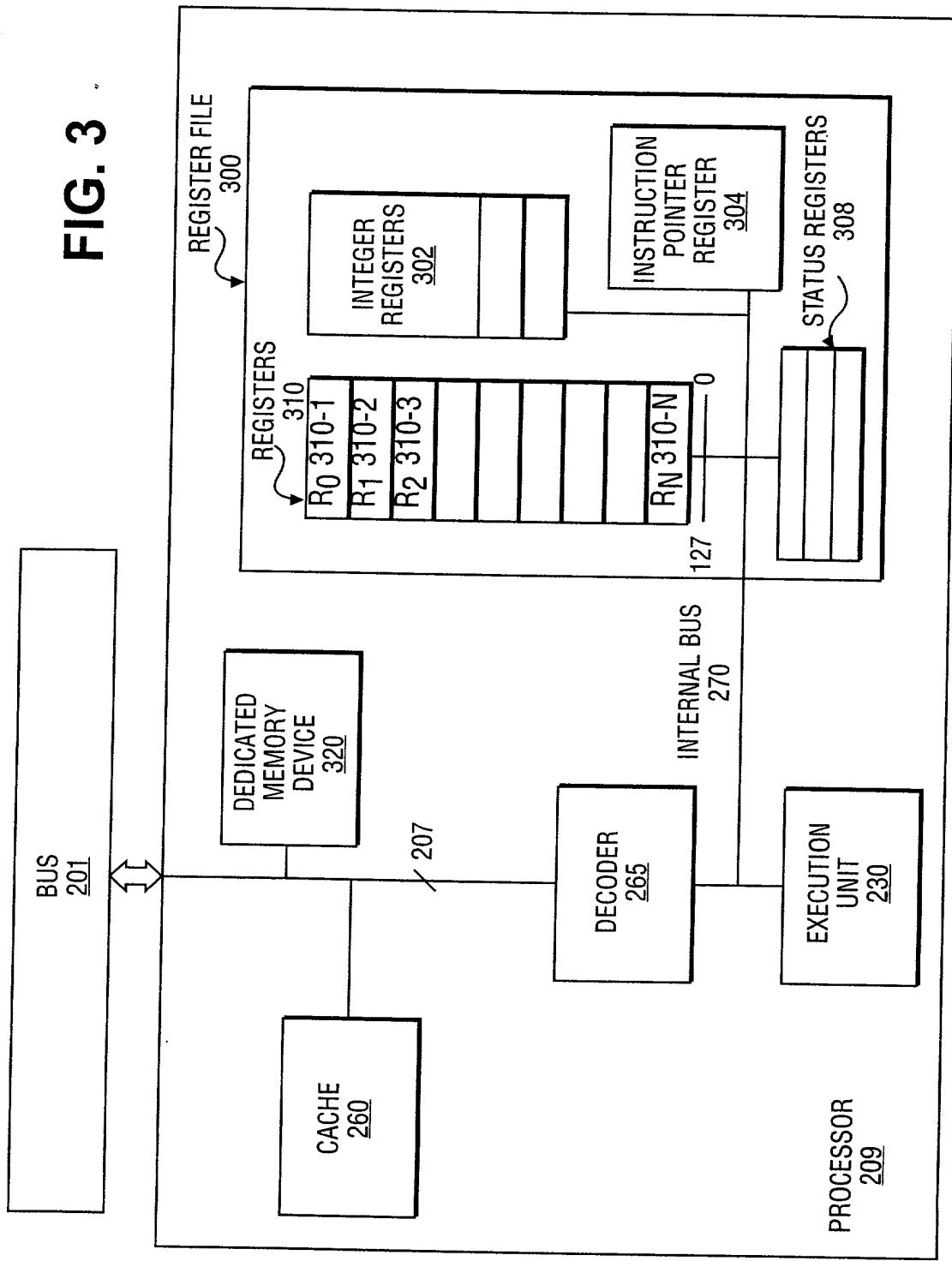


FIG. 2

FIG. 3



127	120119	112111	104	103	24	23	16	15	8	7	0														
BYTE 15	BYTE 14	BYTE 13	• • •			BYTE 2	BYTE 1	BYTE 0																	
PACKED BYTE 280																									
127	112111			16 15			0																		
WORD 7	• • •			WORD 0																					
PACKED WORD 282																									
127	96 95			32 31			0																		
DOUBLE WORD B	• • •			DOUBLE WORD 0																					
PACKED DOUBLE WORD 284																									

FIG. 4

127	120 119	112 111	104 103	24 23	16 15	8 7	0
bbbb	bbbb	bbbb	bbbb	•	•	•	bbb bbbb
UNSIGNED PACKED BYTE IN-REGISTER REPRESENTATION 286							
127	120 119	112 111	104 103	24 23	16 15	8 7	0
sbbb	sbbb	sbbb	sbbb	•	•	•	sbbb bbbb
SIGNED PACKED BYTE IN-REGISTER REPRESENTATION 288							

FIG. 5A

127	112 111	16 15	0
WWWW WWWW WWWW WWWW	• • •	WWWW WWWW WWWW WWWW	
UNSIGNED PACKED WORD IN-REGISTER REPRESENTATION 290			
127	112 111	16 15	0
SWWW WWWW WWWW WWWW	• • •	SWWW WWWW WWWW WWWW	
SIGNED PACKED WORD IN-REGISTER REPRESENTATION 292			

FIG. 5B

127	96 95	32 31	0
dddd dddd dddd dddd dddd	• • •	dddd dddd dddd dddd dddd	
UNSIGNED DOUBLEWORD IN-REGISTER REPRESENTATION 294			
127	96 95	32 31	0
sddd dddd dddd dddd dddd	• • •	sddd dddd dddd dddd dddd	
SIGNED DOUBLEWORD IN-REGISTER REPRESENTATION 296			

FIG. 5C

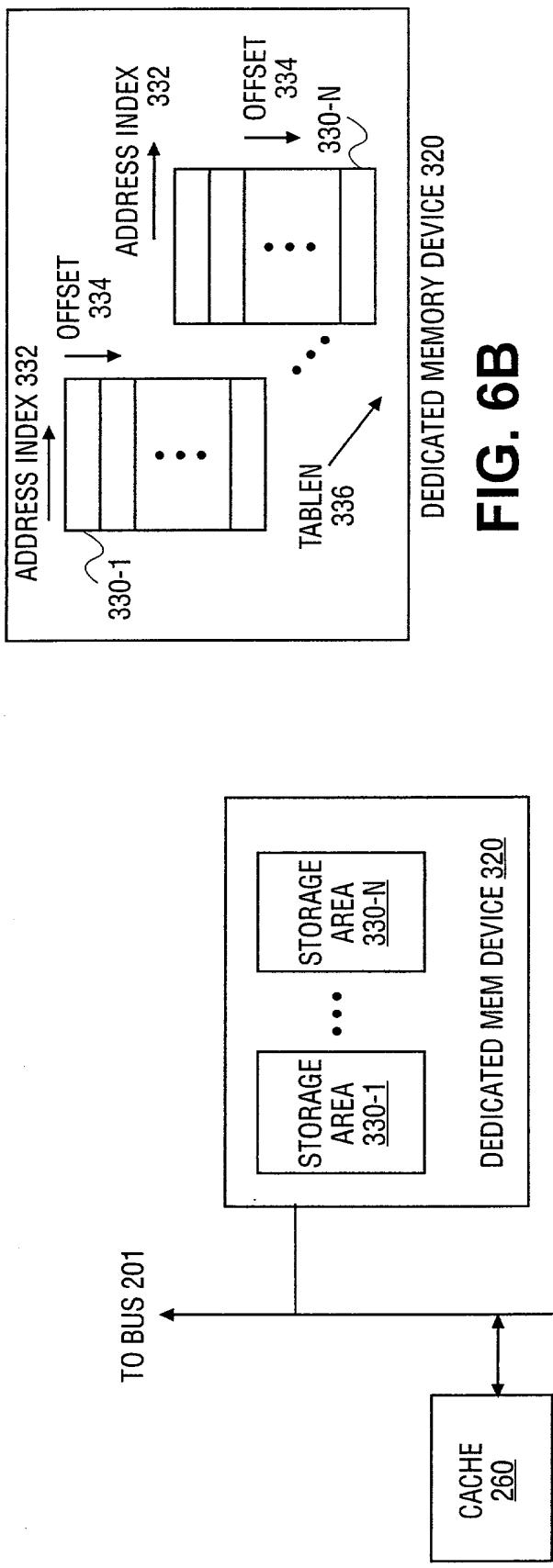


FIG. 6B

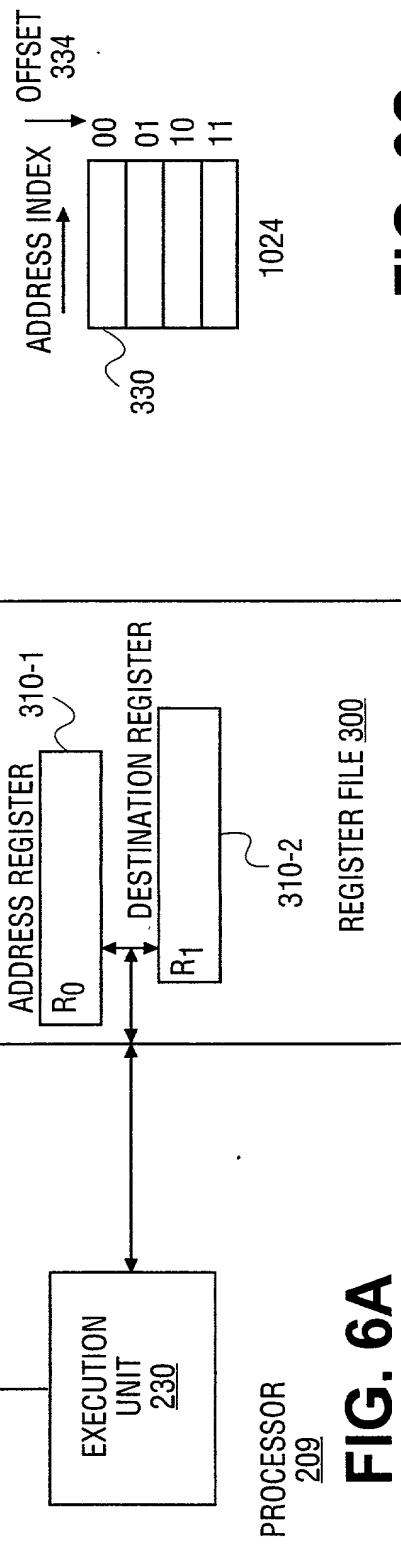
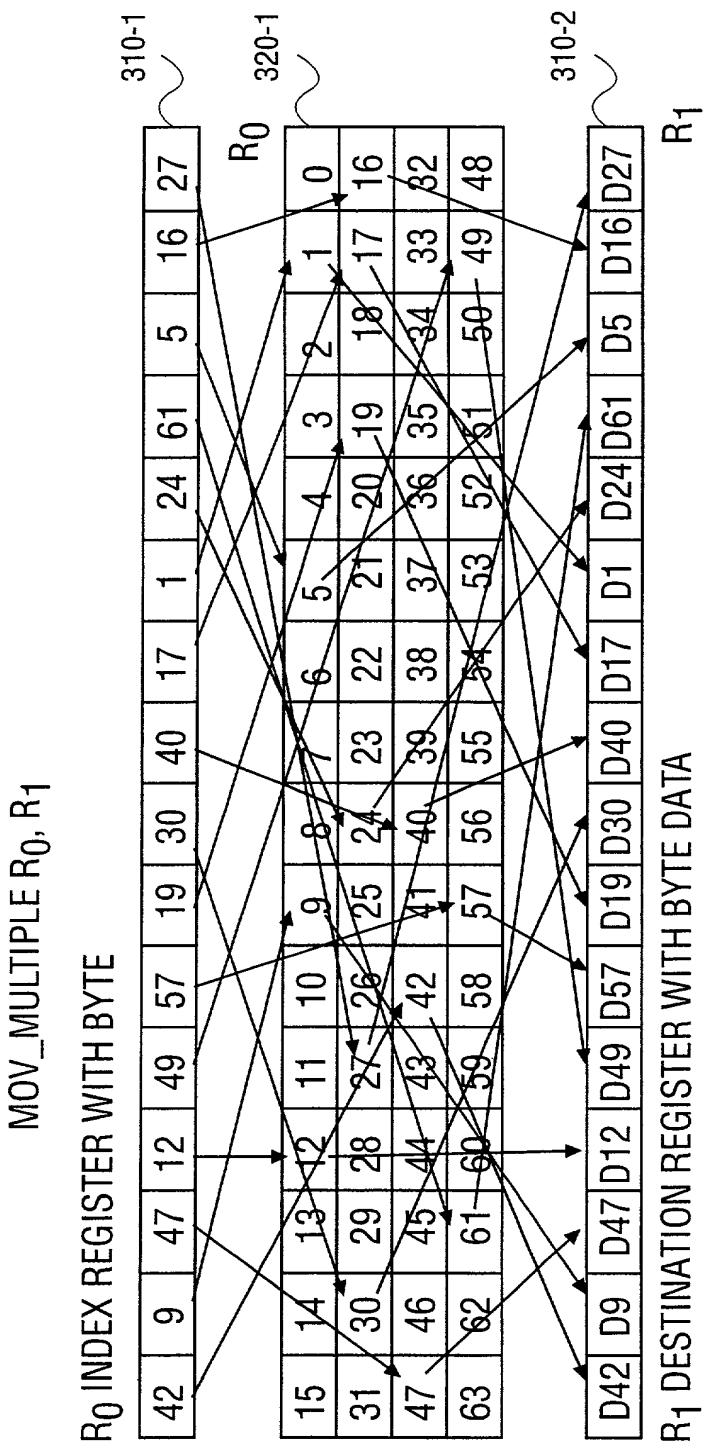


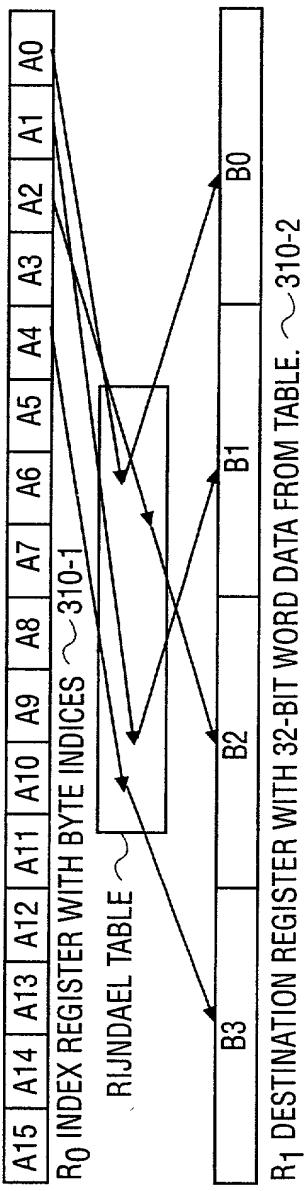
FIG. 6A

FIG. 6C

FIG. 7



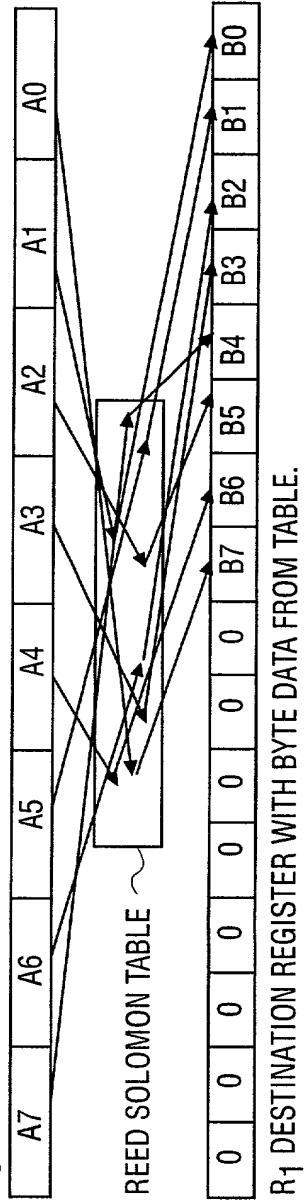
MOV _MULTIPLE R0 DWORD PTR [EAX 4 * R1 + OFFSET]
R0 INDEX REGISTER WITH BYTE INDICES ~ 310-1



R1 DESTINATION REGISTER WITH 32-BIT WORD DATA FROM TABLE. ~ 310-2

FIG. 8

MOV _MULTIPLE R0 BYTE PTR [EAX + R1 + OFFSET]
310-1 ~ R0 INDEX REGISTER WITH 16-BIT INDICES



310-2 ~ R1 DESTINATION REGISTER WITH BYTE DATA FROM TABLE.

FIG. 9

FIG. 10

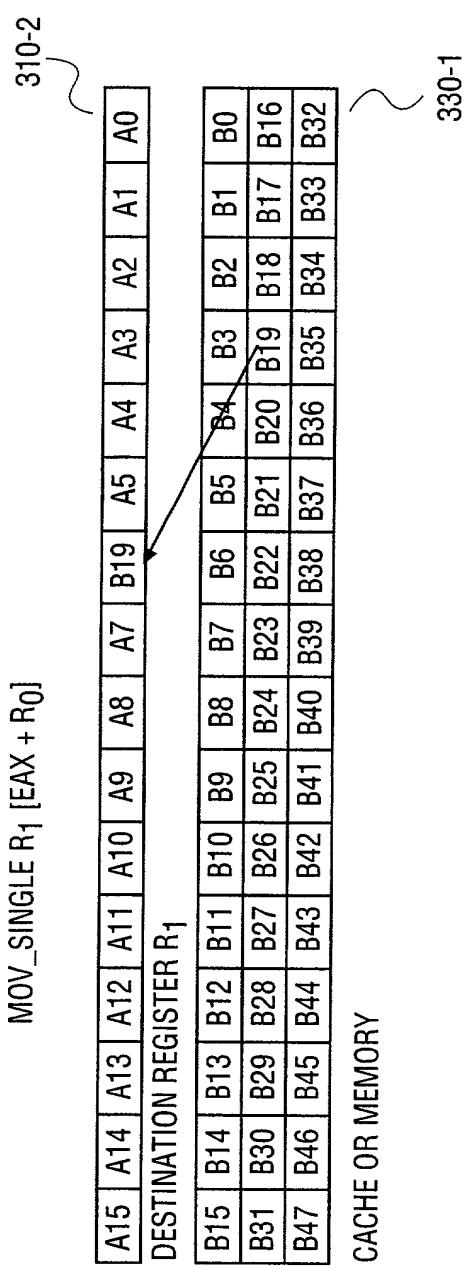
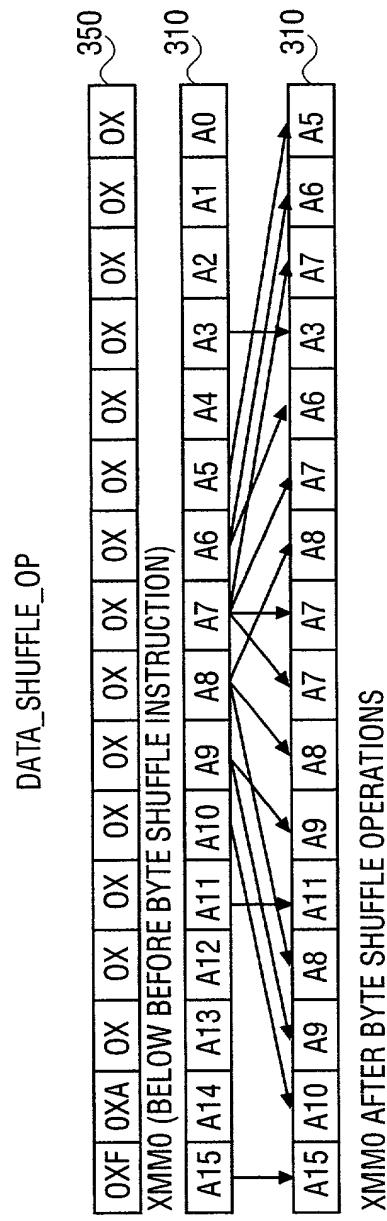


FIG. 11



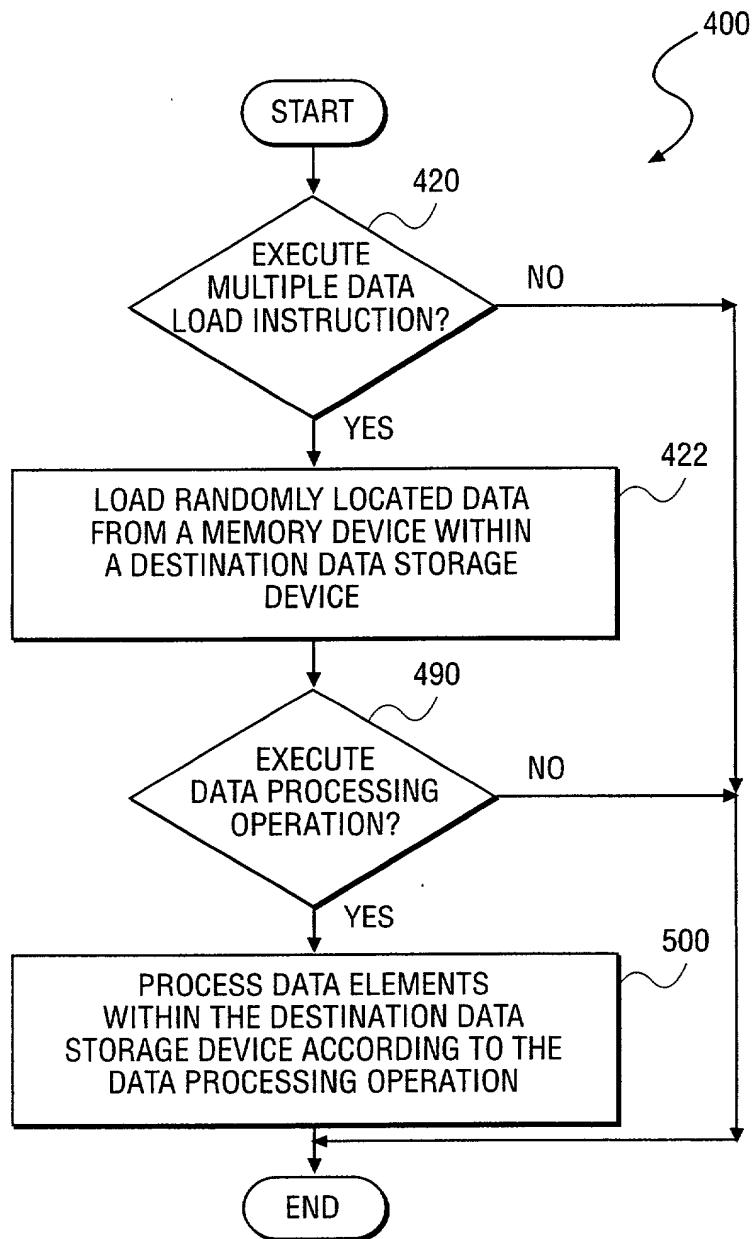


FIG. 12

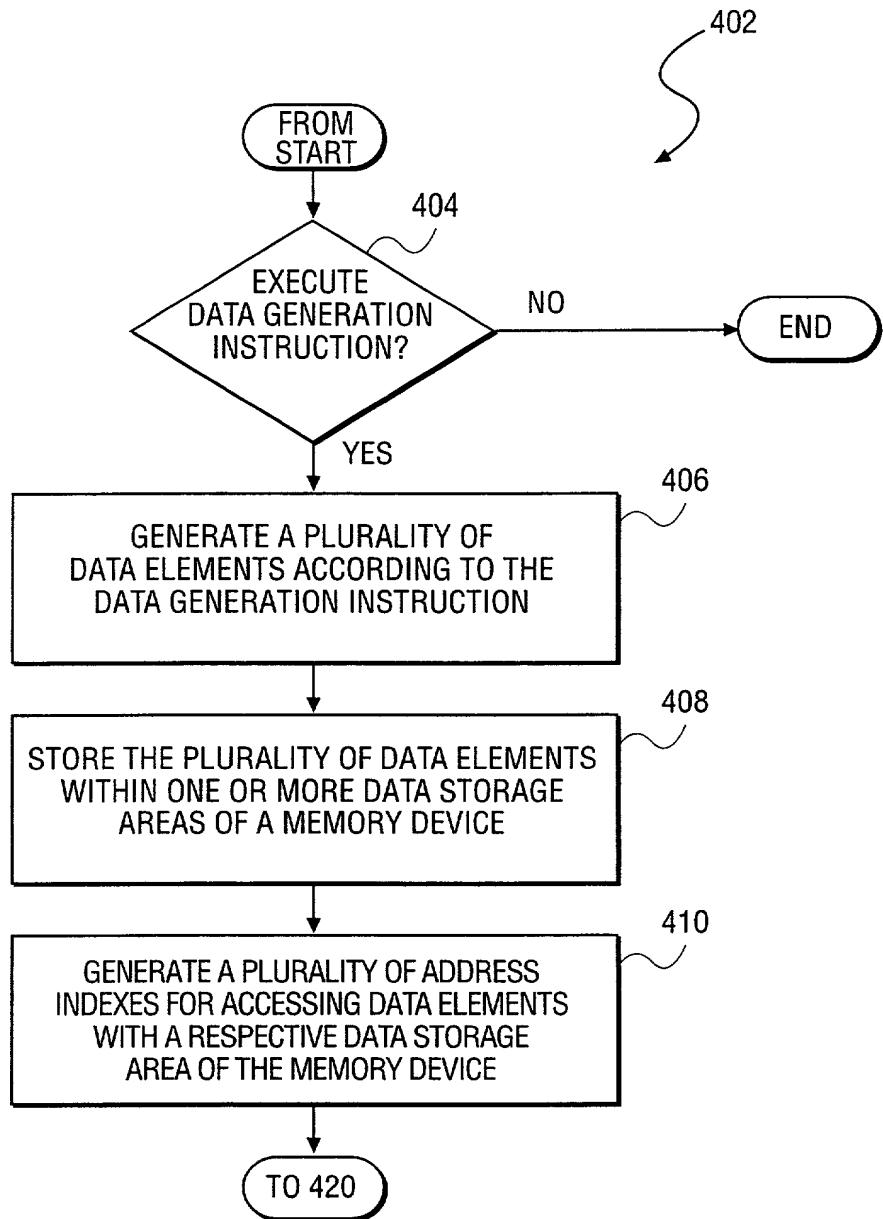


FIG. 13

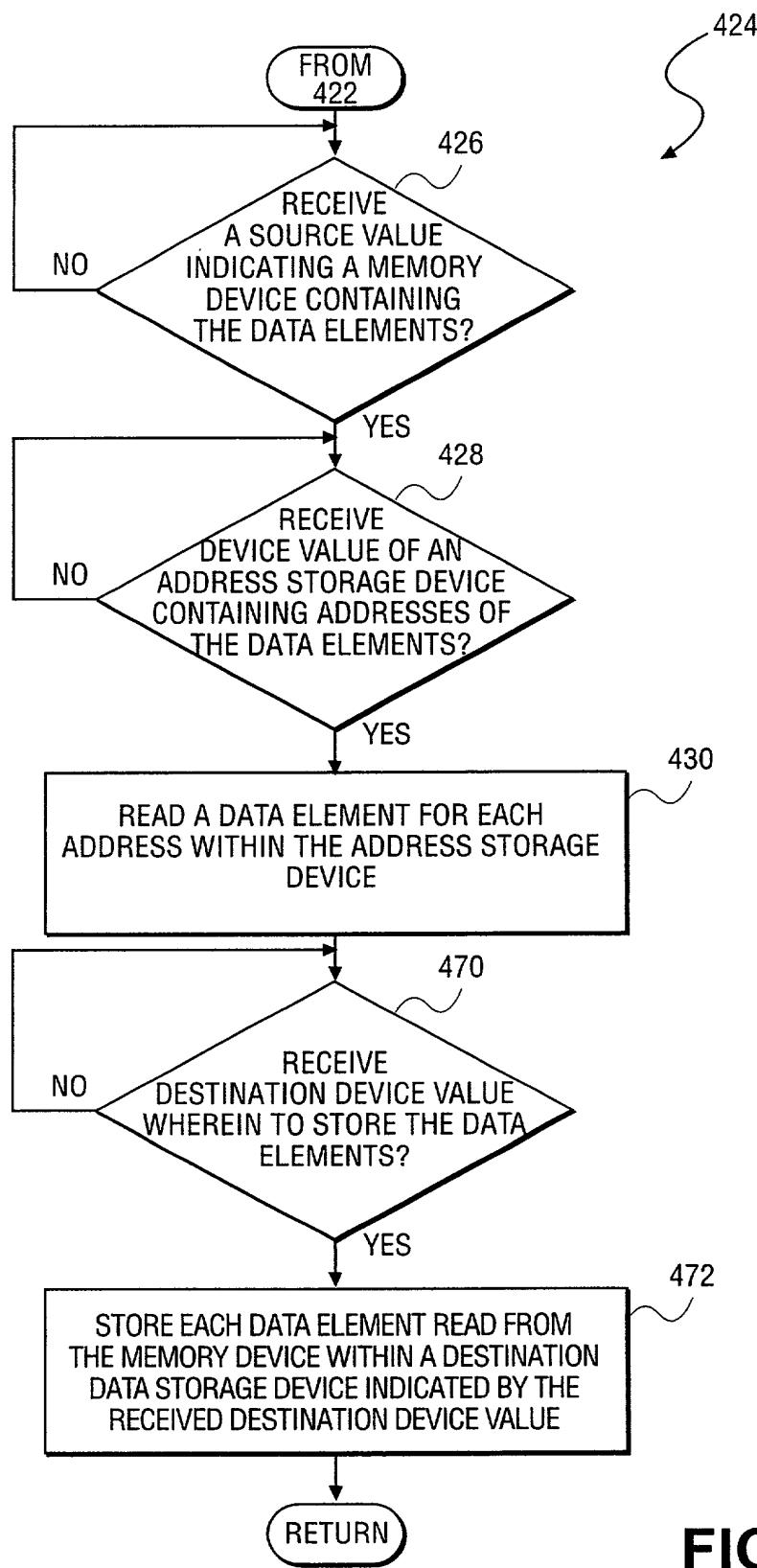


FIG. 14

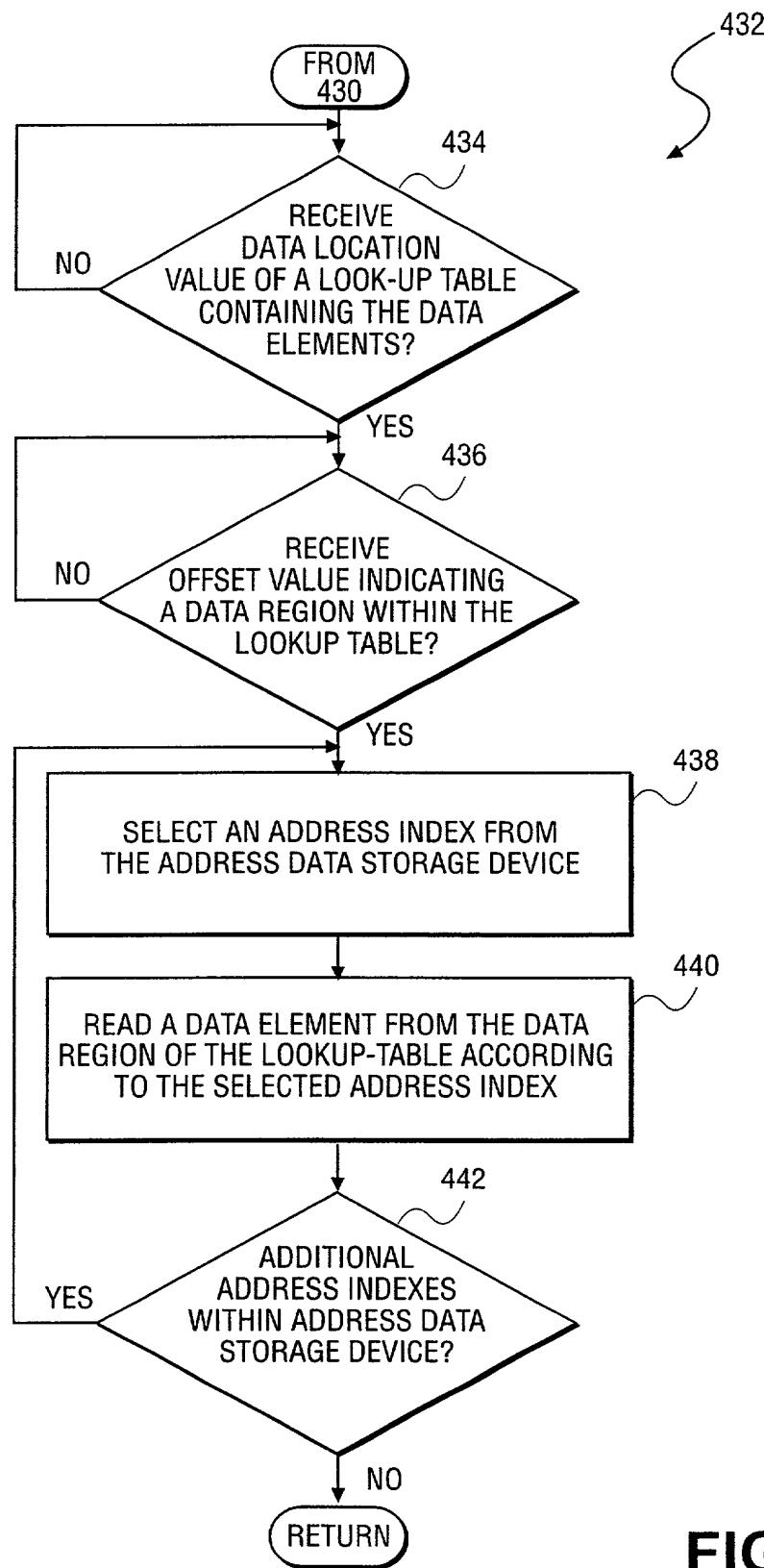


FIG. 15

RECEIVE
BASE ADDRESS
VALUE OF A DATA STORAGE AREA
START LOCATION WITHIN THE MEMORY
DEVICE CONTAINING THE
DATA ELEMENTS?

NO

FROM
430

452

RECEIVE
OFFSET VALUE OF A DATA
REGION WITHIN THE DATA STORAGE
AREA OF THE MEMORY
DEVICE CONTAINING THE
DATA ELEMENTS?

NO

YES

454

SELECT ADDRESS INDEX FROM ADDRESS
STORAGE DEVICE

456

RECEIVE
ADDRESS INDEX
MULTIPLY-VALUE?

NO

458

SET ADDRESS
INDEX = ADDRESS INDEX * VALUE

460

READ A DATA ELEMENT FROM THE DATA
REGION OF THE DATA STORAGE AREA
ACCORDING TO THE SELECTED ADDRESS
INDEX

462

ADDITIONAL
ADDRESS
INDEXES?

YES

464

NO

RETURN

FIG. 16

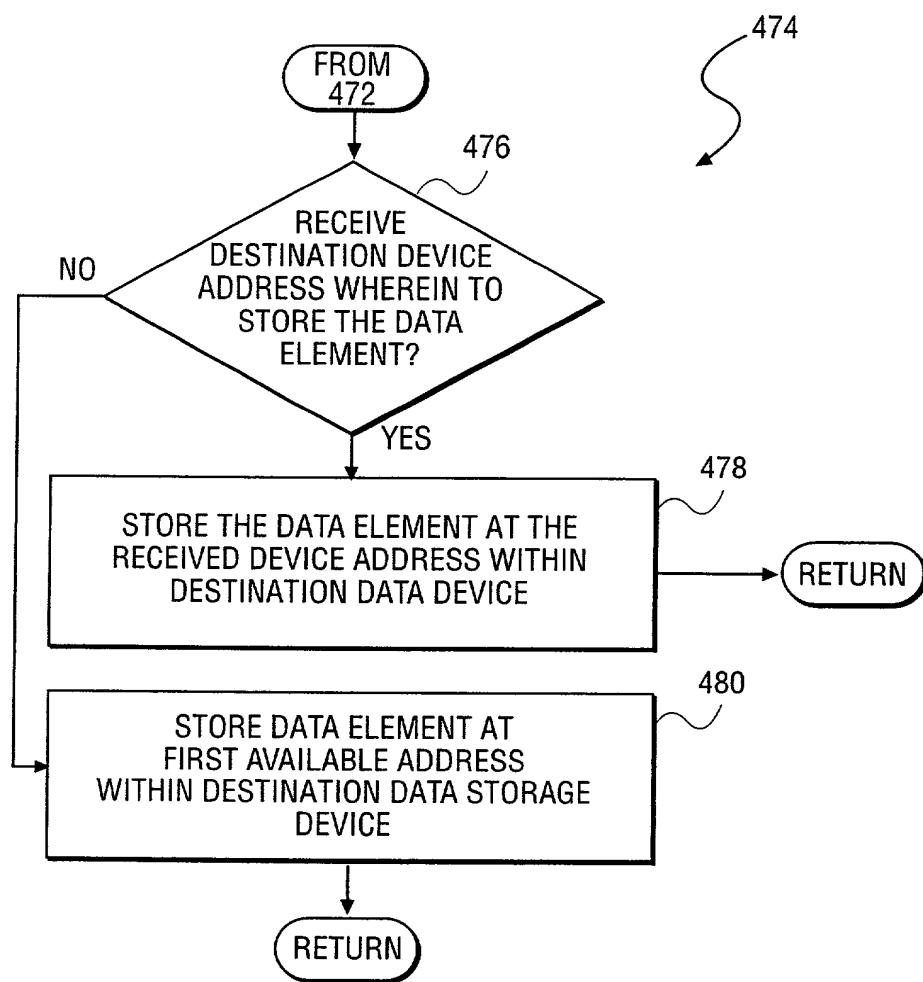


FIG. 17

